

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		S107 and (symbol and averag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:59
		(combin\$3 combination) with (bit near2 portion) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:58
		combin\$3 combination) with (bit near2 portion) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:57
		S83 and (averag\$3 with symbol near3 (waveform voltage energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:00

L5	258	averag\$3 with diversity with (symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 17:33
L6	141	L5 and "base station"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 17:33
L7	88	6 and (combin\$3 near4 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 17:33
L8	12	"average diversity combining"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 17:35
L9	9	8 and symbol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 17:37
L10	2646	((spatial combination combin\$3) with diversity).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 18:04

L11	218	10 and (combin\$3 near4 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 18:04
L12	66	10 and (averag\$3 near4 (symbol))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 18:04
L13	3221	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L14	838	455/137,273.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L15	544	455/137.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L16	324	L15 and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L17	292	L16 and (select\$4 combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L18	254	L16 and ((select\$4 combin\$4) near3 signal\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L19	2	("5697055"   "5850607").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/10 19:01
L20	6	("4737978"   "5101501"   "5267261"   "5278892"   "5305308"   "5640414").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/10 19:01
L21	1007	(diversity adj reception).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L22	2	("5697055"   "5850607").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/10 19:01
L23	3	("5345600"   "5903826"   "6141392").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/10 19:01
L24	6	(diversity adj reception).ab. and ((select\$4 combin\$4) near2 signal) and (multiple near2 base)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L25	11	(diversity adj reception).ab. and ((select\$4) near2 frame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L26	5	("5606569"   "5640414"   "5719871"   "6132306"   "6219550").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/10 19:01
L27	1356	diversity.ab. and (combin\$4 with (frame signal portion)) and (mean average)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L28	309	diversity.ab. and ((combin\$4 with (frame signal portion)) same (mean average))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L29	21	("4072956"   "4101836"   "4128740"   "4724441"   "4733402"   "4823136"   "5166693"   "5191598"   "5274844"   "5313660"   "5339086"   "5390342"   "5499397"   "5548835"   "5581260"   "5621770"   "5724666"   "5740526"   "5933787"   "5983118"   "6006113").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/10 19:01
L30	3221	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L31	1511	L30 and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L32	980	L31 and ((select\$4 combin\$4) near3 signal\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L33	12	("5068916"   "5179559"   "5293643"   "6041235"   "6219550"   "6493554").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L34	12	("5068916"   "5179559"   "5293643"   "6041235"   "6219550"   "6493554").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L35	0	L34 and (mean average) and combin\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L36	1	L34 and (mean average)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L37	2	L34 and combin\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L38	305	714/751,701,746,756,758,786,784,746.ccls. and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L39	128	L38 and averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L40	85	L39 and frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L41	81	L40 and (select\$4 choos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L42	14	L38 and (averag\$4 with frame) and (select\$4 choos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L43	38	L38 and ((averag\$4 add\$3) with frame) and (select\$4 choos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L44	3769	space adj diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L45	1257	L44 and (averag\$4 mean) and select\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L46	37	L45 and (site adj diversity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L47	9170	370/328,230,324,529,40.2,41,43.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L48	15	L47 and (site adj diversity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01



L49	13	L48 and (select\$4 combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L50	3221	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L51	7	L50 and (site adj diversity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L52	7	L51 and (select\$4 combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L53	1330	455/101.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L54	2388	455/101,132,137.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L55	2664	455/101,132,137,273.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L56	305	714/751,701,746,756,758,786,784,746.ccls. and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L57	3221	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L58	9170	370/328,230,324,529,40.2,41,43.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L59	26	(L56 L57 L58) and (add\$3 with (mean averag\$3)) and diversity and (symbol same bit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L60	63	(L56 L57 L58) and (add\$3 with (mean averag\$3)) and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L61	184	(L56 L57 L58) and (add\$3 with (mean averag\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L62	63	L61 and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L63	2643	(L56 L57 L58) and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L64	63	L63 and (add\$3 with (mean averag\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L65	200	L63 and (add\$3 with signals) and (averag\$4 with signals)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L66	3494	diversity and (add\$3 with signals) and (averag\$4 with signals)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L67	1465	L66 and \$5phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L68	29	L63 and ((add\$3 with signals) same (averag\$4 with signals) same receiv\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L69	160	diversity and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L70	4	diversity.ab. and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L71	4	diversity.ab. and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L72	8	(L56 L57 L58) and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L73	237	diversity.ab. and (add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L74	81	L73 and \$5phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L75	237	diversity.ab. and (add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L76	81	L75 and \$5phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L77	93	diversity.ab. and ((averag\$3 near2 signal) same combin \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L78	86	L77 not L76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L79	2	ark adj maximum adj ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L80	8	(US-6021125-\$ or US-6219550-\$ or US-6256484-\$ or US-5719871-\$ or US-6792258-\$ or US-6728919-\$ or US-6320852-\$ or US-6757524-\$ or US-6421543-\$ or US-6473473-\$ or US-6167243-\$).did.	USPAT	OR	OFF	2010/06/10 19:01
L81	7	L80 and (add\$3 sum\$3 averag\$3 mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L82	16686	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and (add\$3 sum\$3 averag\$3 mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L83	10631	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and (averag\$3 mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L84	176	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and ((averag\$3 mean) with waveform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L85	276	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and ((averag\$3 mean) with (signal adj (amplitude level)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L86	28	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and ((averag\$3 mean) with (signal adj (amplitude level)) with (combin\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L87	1186	maxim\$3 with ratio with diversity with combin\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L88	190	L87 and ((add\$3 averag\$3) near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L89	148	L88 and (cell\$4 "base station" )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L90	108	L87 and ((averag\$3) near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L91	22	L87 and ((averag\$3) near3 symbol) and (add\$3 near4 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L92	0	L87 and ((averag\$3) near3 symbol) and (add\$3 near4 symbol) and waveform	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L93	22	L87 and ((averag\$3) near3 symbol) and (add\$3 near4 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L94	1452790	(cell\$4 "base station" ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L95	52	L94 and (averag\$3 with symbol near3 (waveform voltage energy) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L96	14	L95 and (combin\$3 near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01



L97	32	L94 and (averag\$3 with symbol near3 multiple )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L98	5	L97 and (combin\$3 near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L99	15	("6792258" "6728919")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L100	4	("6792258" "6728919").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L101	690657	AVERAG\$3 with multiple siwth symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L102	464	AVERAG\$3 with multiple with symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L103	101	L102 and (multiple with "base station")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L104	464	AVERAG\$3 with multiple with symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L105	18	L104 and "spatial diversity"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L106	6303	AVERAG\$3 near4 symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L107	149	L106 and "spatial diversity"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L108	25	L107 and (symbol with energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L109	1588	L106 and (symbols with combin\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L110	66	L107 and (symbols with combin\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L111	9	L108 and (symbols with combin\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L112	8	L106 and "spatial diversity".ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L113	201	L106 and diversity.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L114	184	L113 not (L110 L111 L112)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L115	54	L114 and (symbol with energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L116	48	L115 and (combin\$3 combination)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L117	38	L115 and ((combin\$3 combination) with symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L118	1337	(combin\$3 combination) with (bit near2 portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L119	0	L118 and symbol and sverag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L120	21	L118 and (symbol with averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01

L121	678	averag\$3 with diversity with (signal symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L122	345	L121 and "base station"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L123	258	averag\$3 with diversity with (symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L124	141	L5 and "base station"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:01
L125	544	455/137.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:10
L126	23	125 and (averag\$3 with symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 19:12

S1	2320	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 13:48
S2	635	455/137,273.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 15:00
S3	419	455/137.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 15:09
S4	246	S3 and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:23
S5	215	S4 and (select\$4 combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:24
S6	185	S4 and ((select\$4 combin\$4) near3 signal\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 20:01

S7	2	("5697055"   "5850607").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/14 15:12
S8	6	("4737978"   "5101501"   "5267261"   "5278892"   "5305308"   "5640414").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/14 15:15
S9	783	(diversity adj reception).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 15:55
S11	2	("5697055"   "5850607").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/14 15:52
S12	3	("5345600"   "5903826"   "6141392").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/14 15:53
S13	5	(diversity adj reception).ab. and ((select\$4 combin\$4) near2 signal) and (multiple near2 base)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 18:46
S14	12	(diversity adj reception).ab. and ((select\$4) near2 frame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 16:30
S15	5	("5606569"   "5640414"   "5719871"   "6132306"   "6219550").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/14 17:04
S16	665	diversity.ab. and (combin\$4 with (frame signal portion)) and (mean average)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 18:47

S17	152	diversity.ab. and ((combin\$4 with (frame signal portion)) same (mean average))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 18:47
S18	21	("4072956"   "4101836"   "4128740"   "4724441"   "4733402"   "4823136"   "5166693"   "5191598"   "5274844"   "5313660"   "5339086"   "5390342"   "5499397"   "5548835"   "5581260"   "5621770"   "5724666"   "5740526"   "5933787"   "5983118"   "6006113").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/14 19:17
S19	2320	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 20:00
S20	1046	S19 and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 20:01
S21	634	S20 and ((select\$4 combin\$4) near3 signal\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 20:01
S22	12	("5068916"   "5179559"   "5293643"   "6041235"   "6219550"   "6493554").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:58



S23	12	("5068916"   "5179559"   "5293643"   "6041235"   "6219550"   "6493554").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 15:29
S24	0	S23 and (mean average) and combin\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 15:29
S25	1	S23 and (mean average)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 15:30
S26	2	S23 and combin\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 15:30
S27	147	714/751,701,746,756,758,786,784,746.ccls. and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 13:49
S28	67	S27 and averag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 13:49

S29	41	S28 and frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 13:50
S30	39	S29 and (select\$4 choos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 13:52
S31	9	S27 and (averag\$4 with frame) and (select\$4 choos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 13:55
S32	18	S27 and ((averag\$4 add\$3) with frame) and (select\$4 choos\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 14:14
S33	2639	space adj diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 14:14
S34	746	S33 and (averag\$4 mean) and select\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 14:15

S35	25	S34 and (site adj diversity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:23
S36	3338	370/328,230,324,529,40.2,41,43.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:23
S37	6	S36 and (site adj diversity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:24
S38	6	S37 and (select\$4 combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:24
S39	2447	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:24
S40	5	S39 and (site adj diversity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:24

S41	5	S40 and (select\$4 combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:25
S42	593	455/101.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:25
S43	1366	455/101,132,137.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:27
S44	1580	455/101,132,137,273.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:27
S45	147	714/751,701,746,756,758,786,784,746.ccls. and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:12
S46	2447	455/132-135,137,272,273,59.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:12

S47	3338	370/328,230,324,529,40.2,41,43.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:13
S48	14	(S45 S46 S47) and (add\$3 with (mean averag\$3)) and diversity and (symbol same bit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:36
S49	39	(S45 S46 S47) and (add\$3 with (mean averag\$3)) and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:36
S50	92	(S45 S46 S47) and (add\$3 with (mean averag\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:37
S51	39	S50 and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:14
S52	1537	(S45 S46 S47) and diversity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:37

S53	39	S52 and (add\$3 with (mean averag\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:45
S54	119	S52 and (add\$3 with signals) and (averag\$4 with signals)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:53
S55	1965	diversity and (add\$3 with signals) and (averag\$4 with signals)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:52
S56	829	S55 and \$5phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:48
S57	18	S52 and ((add\$3 with signals) same (averag\$4 with signals) same receiv\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 17:55
S58	105	diversity and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:16

S59	4	diversity.ab. and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:48
S60	4	diversity.ab. and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:19
S61	7	(S45 S46 S47) and (compos\$3 same add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:19
S62	146	diversity.ab. and (add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:50
S63	54	S62 and \$5phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:50
S64	146	diversity.ab. and (add\$3 same averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 19:07

S65	54	S64 and \$5phone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 18:53
S66	55	diversity.ab. and ((averag\$3 near2 signal) same combin \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 19:07
S67	49	S66 not S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 19:15
S68	2	ark adj maximum adj ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 19:15
S69	11	(US-6021125-\$ or US-6219550-\$ or US-6256484-\$ or US-5719871-\$ or US-6792258-\$ or US-6728919-\$ or US- 6320852-\$ or US-6757524-\$ or US-6421543-\$ or US- 6473473-\$ or US-6167243-\$).did.	USPAT	OR	OFF	2006/06/12 17:26
S70	9	S69 and (add\$3 sum\$3 averag\$3 mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 18:28



S71	8567	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and (add\$3 sum\$3 averag\$3 mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 18:29
S72	5278	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and (averag\$3 mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 18:29
S73	97	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and ((averag\$3 mean) with waveform)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 18:35
S74	191	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and ((averag\$3 mean) with (signal adj (amplitude level)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 18:37
S75	16	("455"/\$.ccls. or "370"/\$.ccls. or "714"/\$.ccls.) and diversity and ((averag\$3 mean) with (signal adj (amplitude level)) with (combin\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 18:38
S76	1186	maxim\$3 with ratio with diversity with combin\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:24

S77	190	S76 and ((add\$3 averag\$3) near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:24
S78	148	S77 and (cell\$4 "base station" )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:25
S79	108	S76 and ((averag\$3) near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:28
S80	22	S76 and ((averag\$3) near3 symbol) and (add\$3 near4 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:29
S81	0	S76 and ((averag\$3) near3 symbol) and (add\$3 near4 symbol) and waveform	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:34
S82	22	S76 and ((averag\$3) near3 symbol) and (add\$3 near4 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:35

S83	1452790	(cell\$4 "base station" ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 07:59
S84	52	S83 and (averag\$3 with symbol near3 (waveform voltage energy) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:00
S85	14	S84 and (combin\$3 near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:05
S86	32	S83 and (averag\$3 with symbol near3 multiple )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:09
S87	5	S86 and (combin\$3 near3 symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:11
S88	15	("6792258" "6728919")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:21

S89	4	("6792258" "6728919").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:21
S90	690657	AVERAG\$3 with multiple siwth symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:44
S91	464	AVERAG\$3 with multiple with symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:44
S92	101	S91 and (multiple with "base station")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 08:44
S93	464	AVERAG\$3 with multiple with symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 12:55
S94	18	S93 and "spatial diversity"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 12:58

S95	6303	AVERAG\$3 near4 symbols	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:06
S96	149	S95 and "spatial diversity"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:06
S97	25	S96 and (symbol with energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:06
S98	1588	S95 and (symbols with combin\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:09
S99	66	S96 and (symbols with combin\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:09
S100	9	S97 and (symbols with combin\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:09

S101	8	S95 and "spatial diversity".ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:17
S102	201	S95 and diversity.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:19
S103	184	S102 not (S99 S100 S101)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:20
S104	54	S103 and (symbol with energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:20
S105	48	S104 and (combin\$3 combination)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:26
S106	38	S104 and ((combin\$3 combination) with symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:26

S107	1337	(combin\$3 combination) with (bit near2 portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:58
S108	0	S107 and symbol and sverag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:58
S109	21	S107 and (symbol with averag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 13:59
S110	678	averag\$3 with diversity with (signal symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 14:32
S111	345	S110 and "base station"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 14:32
S112	258	averag\$3 with diversity with (symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 14:52

S113	141	S112 and "base station"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/10 14:52
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